

AMENDMENTS TO THE CLAIMS:

Claim 1. (Currently amended) A one-way clutch comprising:

 a cage press fitted to an inner peripheral face of an outer race;

 a spring arranged along an inner diameter side of said cage and comprising including pockets and annular portions comprising having corrugated parts; and

 a sprag assembly comprising a including plurality of sprags, wherein said sprags are inserted into respective pockets of said spring and into said cage;

 wherein, at a position where a the largest repulsive force is exerted from said cage to said spring, an a overlapped portion is formed by one end portion of said spring overlapping overlaps with the other end portion of said spring so that rigidity of said spring is increased, and

 wherein said overlapped portion of said spring is positioned by one of said corrugated parts at of the one end portion of said spring and an edge portion of the other end portion of said spring define, and

wherein the repulsive force exerted by said cage to said spring varies with respect to position.

Claim 2. (Original) The one-way clutch according to Claim 1, wherein a bent portion is formed in said edge portion of the other end portion of said spring so as to be curved along a round portion from a foot to a crest of said corrugated part, and said bent portion and said corrugated part define a position of said overlapped portion of said spring.

Claim 3. (Currently amended) A one-way clutch comprising:

a cage press fitted to an inner peripheral face of an outer race;
a spring arranged along an inner diameter side of said cage, said spring comprising including pockets and annular portions comprising having corrugated parts and smooth parts; a sprag assembly comprising a including plurality of sprags, said each sprag is inserted into a pocket of said spring and a pocket of said cage, respectively; and an overlapped portion provided on said spring at a position where a the largest repulsive force is exerted from said cage to the spring, and formed by that a first end of said spring that overlaps with a second end of said spring;
wherein, at said overlapped portion, an edge portion of said second end extends to at least a boundary between said corrugated part and said smooth part ~~along with said smooth part of said first end, and~~
wherein the repulsive force exerted by said cage to said spring varies with respect to position.

Claim 4. (Currently amended) The one-way clutch according to Claim 3, wherein said edge portion of the second end of said spring fits ~~is formed so bent as to fit~~ into a curve in said spring between ~~from~~ said smooth part and ~~through~~ to said corrugated part.

Claim 5. (New) The one-way clutch of claim 1, wherein said edge portion of the other end portion is positioned against a foot of said corrugated part at the one end portion.

Claim 6. (New) The one-way clutch of claim 4.1, wherein said edge portion is further curved along a round portion of the foot of the corrugated part.

Claim 7. (New) The one-way clutch of claim 1, wherein the cage comprises an elliptical shape

Claim 8. (New) A one-way clutch comprising:

a cage press fit in an inner peripheral face of an outer race; and

a spring along an inner face of the cage,

wherein the cage exerts a force on the spring that varies with respect to position, and

wherein the spring overlaps at a position where the cage exerts the largest force on the spring.

Claim 9. (New) The clutch of claim 5, wherein the spring comprises:

a corrugated part;

a smooth part; and

one end of the spring abuts a foot of the corrugated part.

Claim 10. (New) The clutch of claim 6, wherein the one end of the spring comprises a bent portion.

Claim 11. (New) The clutch of claim 7, wherein the bent portion comprises a curve that matches a curve in the foot of the corrugated part.

Claim 12. (New) The clutch of claim 6, wherein the foot of the corrugated part defines the intersection between the corrugated part and a smooth part of the spring.

Claim 13. (New) The clutch of claim 5, wherein the cage comprises an elliptical shape as a result of being press fit into the inner peripheral face of the outer race.

Claim 14. (New) The clutch of claim 5, wherein the spring and the cage define a pocket.

Claim 15. (New) The clutch of claim 11, further comprising a sprag in the pocket.

Claim 16. (New) The clutch of claim 12, wherein the spring further comprises a tongue that rotationally biases the sprag.

Claim 17. (New) The clutch of claim 5, further comprising an inner race positioned inside the spring.